L Number	Hits	Search Text	DB	Time stamp
1	255158	(document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (stor$4 OR database$1 OR director$3 OR archiv$2 OR memor$3) WITH (control$3 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1)	USPAT	2003/07/28 03:44
2	34309	((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (determin$4 OR authoriz$6 OR permi$6 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1) WITH (copy$3 OR copi$3 OR duplicat$4 OR reproduc$4))	USPAT	2003/07/28 03:49
3	3081	(((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (determin$4 OR authoriz$6 OR permi$6 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1) WITH (copy$3 OR copi$3 OR duplicat$4 OR reproduc$4))) SAME (transfer$4 OR deliver$4 OR receiv$4 OR uplink$4 OR send$4 OR transmi$6 OR forward$4 OR broadcast$4 OR download$4) SAME (play$4 OR render$4 OR output$4)	USPAT	2003/07/28 03:51

4	2137	((document$1 OR file$1 OR information data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (stor$4 OR database$1 OR director$3 OR archiv$2 OR memor$3) WITH (control$3 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1)) AND ((((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (determin$4 OR authoriz$6 OR permi$6 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1) WITH (copy$3 OR copi$3 OR duplicat$4 OR reproduc$4))) SAME (transfer$4 OR deliver$4 OR receiv$4 OR uplink$4 OR send$4 OR transmi$6 OR forward$4 OR broadcast$4 OR download$4) SAME (play$4 OR render$4 OR output$4))	USPAT	2003/07/28 03:51

5	1166	((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (stor$4 OR database$1 OR director$3 OR archiv$2 OR memor$3) WITH (control$3 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1)) AND ((((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (determin$4 OR authoriz$6 OR permi$6 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1) WITH (copy$3 OR copi$3 OR duplicat$4 OR reproduc$4))) SAME (transfer$4 OR deliver$4 OR receiv$4 OR uplink$4 OR send$4 OR transmi$6 OR forward$4 OR broadcast$4 OR download$4) SAME (play$4 OR render$4 OR output$4))) AND ((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (disk$1 OR disc$1 OR DVD$1))	USPAT	2003/07/28 03:53

6	283	((((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (stor$4 OR database$1 OR director$3 OR archiv$2 OR memor$3) WITH (control$3 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1)) AND ((((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (determin$4 OR authoriz$6 OR permi$6 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1) WITH (copy$3 OR copi$3 OR duplicat$4 OR reproduc$4))) SAME (transfer$4 OR deliver$4 OR receiv$4 OR uplink$4 OR send$4 OR transmi$6 OR forward$4 OR broadcast$4 OR download$4) SAME (play$4 OR render$4 OR output$4))) AND ((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (disk$1 OR disc$1 OR DVD$1))) AND ((secur$4 OR protect$4 OR encrypt$4 OR encipher$4 OR scrambl$4) WITH (transfer$4 OR deliver$4 OR receiv$4 OR uplink$4 OR send$4 OR transmi$6 OR forward$4 OR broadcast$4 OR download$4))	USPAT	2003/07/28 03:54

7	127	((((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (stor$4 OR database$1 OR director$3 OR archiv$2 OR memor$3) WITH (control$3 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1)) AND ((((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (determin$4 OR authoriz$6 OR permi$6 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1) WITH (copy$3 OR copi$3 OR duplicat$4 OR reproduc$4))) SAME (transfer$4 OR deliver$4 OR receiv$4 OR uplink$4 OR send$4 OR transmi$6 OR forward$4 OR broadcast$4 OR download$4) SAME (play$4 OR render$4 OR output$4))) AND ((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (disk$1 OR disc$1 OR DVD$1))) AND ((secur$4 OR protect$4 OR encrypt$4 OR encipher$4 OR scrambl$4) WITH (transfer$4 OR deliver$4 OR receiv$4 OR uplink$4 OR send$4 OR transmi$6 OR forward$4 OR broadcast$4 OR download$4))) AND ((authoriz$6 OR permi$6 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1) NEAR4 (clearinghouse$1 OR administrat$5 OR party OR parties OR manager$1 OR server$1 OR controller$1 OR entit$3 OR agent$1))	USPAT	2003/07/28 03:57

L Number	Hits	Search Text	DB	Time stamp
8	315697	(document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (stor$4 OR database$1 OR director$3 OR archiv$2 OR memor$3) WITH (control$3 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1)	EPO; JPO; DERWENT	2003/07/28 05:00
9	17856	((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (determin$4 OR check$4 OR authoriz$6 OR permi$6 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1) WITH (copy$3 OR copi$3 OR duplicat$4 OR reproduc$4))	EPO; JPO; DERWENT	2003/07/28 05:01
10	966	(((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (determin$4 OR check$4 OR authoriz$6 OR permi$6 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1) WITH (copy$3 OR copi$3 OR duplicat$4 OR reproduc$4))) SAME (transfer$4 OR deliver$4 OR receiv$4 OR uplink$4 OR send$4 OR transmi$6 OR forward$4 OR broadcast$4 OR download$4) SAME (play$4 OR render$4 OR output$4)	EPO; JPO; DERWENT	2003/07/28 05:01

11	325	((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (stor$4 OR database$1 OR director$3 OR archiv$2 OR memor$3) WITH (control$3 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1)) AND ((((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (determin$4 OR check$4 OR authoriz$6 OR permi$6 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1) WITH (copy$3 OR copi$3 OR duplicat$4 OR reproduc$4))) SAME (transfer$4 OR deliver$4 OR receiv$4 OR uplink$4 OR send$4 OR transmi$6 OR forward$4 OR broadcast$4 OR download$4) SAME (play$4 OR render$4 OR output$4))	EPO; JPO; DERWENT	2003/07/28 05:02

12	47	((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (stor$4 OR database$1 OR director$3 OR archiv$2 OR memor$3) WITH (control$3 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1)) AND ((((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (determin$4 OR check$4 OR authoriz$6 OR permi$6 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1) WITH (copy$3 OR copi$3 OR duplicat$4 OR reproduc$4))) SAME (transfer$4 OR deliver$4 OR receiv$4 OR uplink$4 OR send$4 OR transmi$6 OR forward$4 OR broadcast$4 OR download$4) SAME (play$4 OR render$4 OR output$4))) AND ((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (disk$1 OR disc$1 OR DVD$1))	EPO; JPO; DERWENT	2003/07/28 05:04

13	16	((((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (stor$4 OR database$1 OR director$3 OR archiv$2 OR memor$3) WITH (control$3 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1)) AND ((((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (determin$4 OR check$4 OR authoriz$6 OR permi$6 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1) WITH (copy$3 OR copi$3 OR duplicat$4 OR reproduc$4))) SAME (transfer$4 OR deliver$4 OR receiv$4 OR uplink$4 OR send$4 OR transmi$6 OR forward$4 OR broadcast$4 OR download$4) SAME (play$4 OR render$4 OR output$4))) AND (((authoriz$6 OR permi$6 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1) NEAR4 (clearinghouse$1 OR administrat$5 OR party OR parties OR manager$1 OR server$1 OR controller$1 OR entit$3 OR agent$1)))	EPO; JPO; DERWENT	2003/07/28 05:04

14	60	(((((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (stor$4 OR database$1 OR director$3 OR archiv$2 OR memor$3) WITH (control$3 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1)) AND ((((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (determin$4 OR check$4 OR authoriz$6 OR permi$6 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1) WITH (copy$3 OR copi$3 OR duplicat$4 OR reproduc$4))) SAME (transfer$4 OR deliver$4 OR receiv$4 OR uplink$4 OR send$4 OR transmi$6 OR forward$4 OR broadcast$4 OR download$4) SAME (play$4 OR render$4 OR output$4))) AND ((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (disk$1 OR disc$1 OR DVD$1))) OR ((((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (stor$4 OR database$1 OR director$3 OR archiv$2 OR memor$3) WITH (control$3 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1)) AND ((((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (determin$4 OR check$4 OR authoriz$6 OR permi$6 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1) WITH	EPO; JPO; DERWENT	2003/07/28 05:05

15	46	((((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (stor$4 OR database$1 OR director$3 OR archiv$2 OR memor$3) WITH (control$3 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1)) AND ((((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (determin$4 OR check$4 OR authoriz$6 OR permi$6 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1) WITH (copy$3 OR copi$3 OR duplicat$4 OR reproduc$4))) SAME (transfer$4 OR deliver$4 OR receiv$4 OR uplink$4 OR send$4 OR transmi$6 OR forward$4 OR broadcast$4 OR download$4) SAME (play$4 OR render$4 OR output$4))) AND ((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (disk$1 OR disc$1 OR DVD$1))) OR ((((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (stor$4 OR database$1 OR director$3 OR archiv$2 OR memor$3) WITH (control$3 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1)) AND ((((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (determin$4 OR check$4 OR authoriz$6 OR permi$6 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1) WITH	EPO; JPO; DERWENT	2003/07/28 05:05

16	15	((((((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (stor$4 OR database$1 OR director$3 OR archiv$2 OR memor$3) WITH (control$3 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1)) AND ((((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (determin$4 OR check$4 OR authoriz$6 OR permi$6 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1) WITH (copy$3 OR copi$3 OR duplicat$4 OR reproduc$4))) SAME (transfer$4 OR deliver$4 OR receiv$4 OR uplink$4 OR send$4 OR transmi$6 OR forward$4 OR broadcast$4 OR download$4) SAME (play$4 OR render$4 OR output$4))) AND ((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (disk$1 OR disc$1 OR DVD$1))) OR ((((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (stor$4 OR database$1 OR director$3 OR archiv$2 OR memor$3) WITH (control$3 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1)) AND ((((document$1 OR file$1 OR information OR data OR content$1 OR media OR multimedia OR audio OR music OR video OR visual OR program$5) WITH (determin$4 OR check$4 OR authoriz$6 OR permi$6 OR right$1 OR rule$1 OR condition$2 OR privilege$1 OR licens$4 OR access$4 OR usage$1) WITH	EPO; JPO; DERWENT	2003/07/28 05:06

US-PAT-NO: 5734719

DOCUMENT-IDENTIFIER: US 5734719 A
See image for Certificate of Correction

TITLE: Digital information accessing, delivery and production system

---------- KWIC ---------

Abstract Text - ABTX (1):
A digital data on-demand turnkey system at a customer premise wherein N number of sewers provide for 100% of content distribution of remotely stored digitized information, which information may be previewed in real-time, and product incorporating selected digitized information can be manufactured on-site and within a short response time to a customer's request at a point of sale location. In a retail environment customers, at a point-of-sale location are able to exhaustively search and preview the content database using graphics-based touch screens at consumer kiosks. Previews including audio and video segments are made available. Prompting screens allow customers to make purchasing decisions by stipulating content which is available from any number of categories of subject matter including music. The selected **media** for the manufacture and production of the digital **data** may be from a myriad of different selections and can include CD's, cassette tapes, CD ROM technology, reel-to-reel tapes, and **video disks,** as an example. A master **server will be situated geographically so as to be accessible** to chain and network subservers.

Its geographic and networked location is dependent upon communication network systems and subsystem costs and availability in order to best serve a customer's premise, whether it be a retail store or similar point-of-sale or other end-user location. **Security** mechanisms that require centralized database authorizations prior to the **transmission** of content and/or the manufacture of any of the products is provided in addition.

Brief Summary Text - BSTX (4):

The present invention relates to the field of **data storage, data** communication, review and **controlled** production of **information,** and in particular to a system for **accessing** digital **information,** including **audio and video information,** at remotely **stored** locations and for communicating in real-time that **information** to a user's premise or a point-of-sale for reproduction of the communicated **information** in a material object for end-user use.

Brief Summary Text - BSTX (17):

The selected **media** for the manufacture and production of digital and analog software may be from a myriad of different selections and can be accomplished on digital **media** such as CD's, analog technology such as cassette tapes, CD ROM technology, reel-to-reel tapes, game cartridges, **video disks** of varying sizes, sheet **music,** floppy **disks** and can include **content which is audio,** such as voice or **music, video,** interactive game **program** and cartography, just to mention a few.

Brief Summary Text - BSTX (18):

Since the system is adaptable to having an unlimited number of servers, strategic and economic networking can be accomplished to allocate proportionally the preview material as well as the total content of a specific work at the respective servers depending, in particular, on the popularity and the costs. A master **server will be situated geographically so as to be accessible** to chained and networked subservers. Its geographic and networked location is dependent upon communication network systems and subsystems costs and availability in order to best serve a customer's premise, whether it be a retail store or similar point-of-sale or other end-user location. The strategy of allocating between the servers, the content for preview and for the final manufacturing process for a particular work, is strategized in order to eliminate the need for any in-store inventory of an artist's composition regardless of format. In essence, every album in every particular label's catalog will be available in any format and the retailer will never have a condition of being out of stock. The retailer will be able to utilize floor space to maximize merchandising and need not feel the burden of inventory drag.

Brief Summary Text - BSTX (20):

Both the retailer and the label companies are and have been specially interested in the ability to protect the myriad of proprietary rights which the artists, the labels and others have through copyright protection and/or licenses. The present inventive system provides for **security** mechanisms that require centralized database authorizations prior to the **transmission** of content and/or the manufacture of any of the products. In addition, the system

simplifies the financial and accounting aspects and will reduce, if not totally
eliminate, pilferage of items within the store at the point of sale.

Brief Summary Text - BSTX (24):
In the above mentioned way, the present invention provides an effective
means for **accessing** remotely **stored information** at strategically located server
locations adapted to communicate and transmit **content information** to a customer
premise in real time and in such a manner so as to be able to manufacture **media**
incorporating the transmitted **information,** while maintaining the integrity and
providing accountability of the communicated and networked **information** to
provide on-demand and real time customer satisfaction.

Detailed Description Text - DETX (5):
An important aspect of streaming **data** between the end stations is for the
data to be streamed so that it can be presented so as to reproduce whatever the
recorded **information** is at the proper reproduction rate so that the individual
using it or looking at it or listening to it can not distinguish whether or not
the recorded version is being played back from a local **media, such as a video**
tape or compact **disc,** or if the individual is witnessing it being played back
remotely and transmitted through a network. The bits of information have to be
delivered to the preview or manufacturing device at a rate required by that
device to recreate faithful reproduction of the original recording.

Detailed Description Text - DETX (23):
Being able to give the appearance of having 100% of the data content
locally, camouflages having servers physically disbursed

throughout a
geographic area regardless of size. It is evident that through implementation
of this inventive concept, **directory** service **control** function can **control** all
the different Customer Premise sites to decide from where to **access** and obtain
the **content data**. This control structure still relies on having all the data
server sites connected by an ATM backbone to accomplish the necessary network.

Detailed Description Text - DETX (31):
FIG. 4 is an exemplary uniprocessor system **data** server just like a standard
personal computer IBM PS/2 Model 95 with a single processor 402 connected
through a fast bus 406 to some amount of memory 404, a redundant array of
independent **disks** (RAID) 416, SCSI buss 406 to hang storage units 412 on and
connecting line 410, then some sort of I/O 414 which represents things like
communications adapters.

Detailed Description Text - DETX (53):
Accounting Server--a set of computer **programs** which can and typically do
serve as the central point of **control** within a **store**. These programs provide
the central data base for all orders originating in a store, perform all
financial accounting (related to orders placed through this system) for a
store, and perform all **authorization interchanges with the Authorization Server**.

Detailed Description Text - DETX (54):
Authorization Server--a set of computer programs which makes decisions,
authorizing or denying approval to manufacture a product.

Detailed Description Text - DETX (62):
Item--a manufactured product or work, suitable for purchase. As an example, it is that which a customer might procure in a traditional purchase. It includes primarily the **media on which the information** is recorded plus secondary materials such as a case, labels, pamphlets, case liner, etc. In an exemplary retail system, an item would be a compact **disc,** a cassette tape or electronic **video** games contained in a package along with appropriate labels and printed materials.

Detailed Description Text - DETX (63):
Line Item--a record description of a single work, in some quantity, which is to be purchased. A Line Item consists of one or more identical Items. In addition to a count of the number of copies desired, is an indication if compact **disc** or cassette tape is to be used as the recording **media**.

Detailed Description Text - DETX (78):
op.sub.-- approved--the message sent from the **Authorization Server** to the Accounting Server when an Item is approved for manufacturing.

Detailed Description Text - DETX (81):
op.sub.-- denied--the message sent from the **Authorization Server** to the Accounting Server when an Item is not approved for manufacturing.

Detailed Description Text - DETX (82):
op.sub.-- grant--the message sent from the Accounting **Server to the Authorization Server requesting authorization** to manufacture a single Item.

Detailed Description Text - DETX (83):
op.sub.-- grant.sub.-- failed--the message sent from the Accounting **Server to the Point of Sale station when an authorization request is denied by the Authorization Server**.

Detailed Description Text - DETX (91):
a01) The customer, as a prospective purchaser, enters the **store, and accesses** one of a multitude of **multimedia** preview stations 1303, at a preview subsystem 1302 as shown in FIG. 13. In this example, the preview station is the Customer Premise. The customer inserts a membership card into a reader as more fully explained for FIGS. 16, 17 and 28 and sets about previewing various works. Through the touch screen panels provided as shown in part and by way of example in FIGS. 18-27, the customer can choose to preview and listen to certain works, or to listen to works while viewing an accompanying video. A screen icon of a pair of headphones 2402, as seen in FIG. 24 and another icon of a TV set 2404 are used to inform the customer of the availability of preview materials. When the customer has made a purchase decision, commands at touch pads 2406 or 2408, describing the format of the desired items, are entered on the touch screen.

Detailed Description Text - DETX (101):
media: compact **disc** or cassette tape.

Detailed Description Text - DETX (119):
b04) The Accounting Server 1304 sends an op.sub.-- grant message to the **Authorization Server 1312 of the Authorization Server** subsystem 1310 for each Item in each Line Item. (Note: If this step is reached due

to a manufacturing
failure c13 step, only the failing Items will have grant requests sent.)

Detailed Description Text - DETX (120):
b05) The **Authorization Server 1312 performs various authorization** checks on
each op.sub.-- grant message and returns an op.sub.-- approved or op.sub.--
denied message to indicate ok/not ok to manufacture that particular Item.

Detailed Description Text - DETX (128):
b07) If an item is rejected for any reason, an op.sub.-- denied message is
returned for that Item by the **Authorization Server** 1312 to the Accounting
Server 1304.

Detailed Description Text - DETX (133):
b10) If there are more items in this Order, the Accounting **Server 1304 loops
back to Authorization** Process step b07).

Detailed Description Text - DETX (143):
c07) In both manufacturing steps c04 and c06, the data being **transferred** may
be **encrypted** or compressed or both or neither. Before the data is actually
routed to the manufacturing machine such as machine 1318, 1320 or 1328, a
decryption and/or decompression step is likely necessary. The cryptographic
key needed for the decryption step may be contained in the original op.sub.--
approve message of Authorization Process step b11.

Detailed Description Paragraph Table - DETL (11):

#pragma pack(1) #define INCL.sub.-- DOSPROCESS #include <os2.h>

```
#include &lt;stdlib.h&gt;  #include &lt;stdio.h&gt;
#include &lt;string.h&gt;
#include &lt;malloc.h&gt;  #include &lt;memory.h&gt;
#include &lt;ctype.h&gt;
#include &lt;time.h&gt;  #include &lt;commsys.h&gt;  int
main(int argc,char
**argv);  int DefMsgHandler(unsigned long dwSessionId,PMSG
pMsg);  int
ExceptionHandler(unsigned long dwSessionId,PMSG pMsg);  int
MessageHandler1(unsigned long dwSessionId,PMSG pMsg);  int
ClientHandler1(unsigned long dwSessionId,PMSG pMsg);
#define  OP.sub.--
REQUEST 1  100  #define  OP.sub.-- SERVICE1  200  int
main(int argc,char
**argv)  int rc = 0, i, j;  LISTHANDLE hList = 0;
LISTHANDLE hCList = 0;  char
*p;  unsigned long dwServerSessions[10];  unsigned long
dwClientSessions[10];
int nSSessions = 0;  char szClientName[32];  int nCSessions
= 0;  PMSG pMsg;
char szArg[32];  if (argc &lt;3)  [ printf("usage: SESSIONS
-cClient1 .Server1
-cCliene.Server2 -  sServer1.Client?... .backslash.n");
DosBeep(1000,100);
return(-1);  ] rc =
InitCommSystem(1,DefMsgHandler,ExceptionHandler);  if (rc
?= SUCCESS)  printf("Initializing Comm System
(%d).backslash..backslash.n",rc);
if (rc != SUCCESS)  return(DosBeep(1000,100));  for (i = 1;
i &lt; argc; i++)
[ strcpy(szArg,argv[i]);  `) (szArg[0] == `  if
(toupper(szArg[1]) == `C`)  [ p
= (char *) strchr(szArg,`.`);  if (p == 0)  [
printf("Invalid command line
argument.backslash.n.backslash.n");
return(DosBeep(1000,100));  ] *p =
`.backslash.0`;  strcpy(szClientName,&szArg[2]);  *p = `.`;
 rc =
RegisterLocalName(0,szClientName);  if (rc != SUCCESS)
printf("Registering %s
(%d).backslash.n",szClientName,rc);  if (rc != SUCCESS)
return(DosBeep(1000,100));  ] else if (toupper(szArg[1]) ==
`S`)  [ p = (char
*) strchr(szArg,`.`);  if (p == 0)  [ printf("Invalid
command line
argument.backslash.n.backslash.");  2
return(DosBeep(1000,100));  ] *p =
```

```
`.backslash.0`;  strcpy(szClientName,&szArg[2]);  *p = `.`;
 rc =
RegisterLocalName(0,szClientName);  if (rc != SUCCESS)
printf("Registering %s    °
(%d).backslash.",&sArg[2],rc);  if (rc != SUCCESS)
return(DosBeep(1000,100));
] ] ] rc = CreateMessageHandlerList(&hList);  if (rc !=
SUCCESS)
printf("Creating message handler list
(%d).backslash.n",rc);  if (rc !=
SUCCESS)  return(DosBeep(1000,100));  rc =
InstallMessageHandler(hList,OP.sub.--
REQUEST1,MessageHandler1);  if (rc !=
SUCCBSS)  printf("Installing message handler 1
(%d).backslash.n",rc);  if (rc
!= SUCCESS)  return(DosBeep(1000,100));  rc =
RegisterDefaultMessageHandler(hList,0);  if (rc != SUCCESS)
printf("Registering default message handler 1
(%d).backslash.n",rc);  if (rc !=
SUCCESS)  return(DosBeep(1000,100));  rc =
RegisterExceptionHandler(hList,0);
if (rc != SUCCESS)  printf("Registering default exception
handler 1
(%d).backslash.n",rc);  if (rc != SUCCESS)
return(DosBeep(1000,100));  //
Create local server sessions  for (i = 1; i &lt; argc; i++)
 [
strcpy(szArg,argv[i]);  `) (szArg[0] == `  [ if
(toupper(szArg[1]) == `S`)  [ p
= (char *) strchr(sZArg,`.`);  if (p == 0)  [
printf("Invalid command line
argument.backslash.n.backslash.");  2
return(DosBeep(1000,100));  ] *p =
`.backslash.0`;  rc = CreateServerSession(  &sZArg[2],p+1
,hList,&dwServerSessions[nSSessions++]);  *p = `.`;  if (rc
!= SUCCESS)
printf("Creating %s session (result = %d),  session
(%ld).backslash.n",szArg,rc,dwServerSessions[nSSessions-1])
 if (rc !=
SUCCESS)  return(DosBeep(1000,100));  ] ] ] rc =
CreateMessageHandlerList(&hCList);  if (rc != SUCCESS)
printf("Creating client
message handler list (%d).backslash.n"rc);  if (rc !=
SUCCESS)
return(DosBeep(1000,100));  rc =
InstallMessageHandler(hCList OP.sub.--
SERVICE1,ClientHandler1);  if (rc != SUCCESS)
```

```
printf("Installing client
message handler 1 (%d).backslash.n",rc);  if (rc !=
SUCCESS)
return(DosBeep(1000,100));  rc =
RegisterDefaultMessageHandler(hCList,0);  if
(rc != SUCCESS)  printf("Registering client default message
handler 1
(%d).backslash.n",rc)  ; if (rc != SUCCESS)
return(DosBeep(1000,100));  rc =
RegisterExceptionHandler(hcList,0);  if (rc != SUCCESS)
printf("Registering
client default exception handler 1 (%d).backslash.n",r  c);
 if (rc != SUCCESS)
return(DosBeep(1000,100));
printf(".backslash.n.backslash.nSystem properly
initialized. Press any  key to connect ");  fflush(stdout);
 getchar();
printf(".backslash.n");  // Connect to remote servers  for
(i = 1; i &lt; argc;
i++)  [ strcpy(szArg,argv[i]);  `) (szArg[0] == `  [ if
(toupper(szArg[1]) ==
`C`)  [ p = (char *) strchr(szArg,`.`);  if (p == 0)  [
printf("Invalid command
line argument.backslash.n.backslash.n");  7
return(DosBeep(1000,100));  ] *p =
`.backslash.0`;  strcpy(szClientName,&szArg[2]);  rc =
ClientConnect(szClientName,p+1 ,hCList,
&dwClientSessions[nCSessions++]);  *p
= `.`;  printf("Connecting with server %s (result = %d),
session
(%1d).backslash.n",p+1 ,rc,dwClientSessions[nCSessions-1]);
 if (rc != SUCCESS)
return(DosBeep(1000,100));  ] ] ] j = 0;  while (1)  [ for
(i = 0; i &lt;
nCSessions; i++)  [ printf("Sending OP#REQUEST1 to session
%1d....backslash.n",dwClientSessions[i]);  rc =
DispatchNetMsg(1);  rc =
SendNetMessage(dwClientSessions[i],OP#REQUEST1,0,0,0);  if
(rc != SUCCESS)  [
while (rc == ERROR CONNECT.sub.-- IN.sub.-- PROCESS)  [
DispatchNetMsg(1);  rc
=  SendNetMessage(dwClientSessions[i],OP#REQUEST1,0,0,0);
] ] ] ] return(0);
] int MessageHandler1(unsigned long dwSessionId,PMSG pMsg)
[ int rc;
printf("OP#REQUEST1 arrived (session %ld)
.gradient.n",dwSessionId);
```

```
pMsg-&gt;dwOpCode = OP.sub.-- SERVICE1;
pMsg-&gt;dwSequence = 2;
pMsg-&gt;dwFlags = 0;  pMsg-&gt;dwBuffLen = 0;  rc =
SendNetMessage(dwSessionId,OP.sub.-- SERVICE1,0,0,0);
printf("Sending
OP.sub.-- SERVICE1 (%d).backslash.n",rc);  if (rc !=
SUCCESS)  [ while (rc ==
ERROR.sub.-- CONNECT.sub.-- IN.sub.-- PROCESS)  [
DispatchNetMsg(0);  rc =
SendNetMessage(dwSessionID,OP.sub.-- SERVICE1,0,0,0);  ] ]
return(rc);  ] int
DefMsgHandler(unsigned long dwSessionId,PMSG pMsg)  [
return(0);  ] int
ExceptionHandler(unsigned long dwSessionId,PMSG pMsg)  [
return(0);  ] int
ClientHandler1(unsigned long dwSessionId,PMSG pMsg)  [
printf(" OP.sub.--
SERVICE1 arrived (session %ld).backslash.n",dwSessionId  );
return(0);  ]
```

Claims Text - CLTX (13):

4. The method for providing **media with information which information** is processed for subsequent playback, as defined in claim 1 wherein the step of **storing** digital **information** in a source library at a first location **stores** encrypted and compressed digital **information** and further comprising the step of decrypting and decompressing the **accessed** portions of the digital **information** at said other location and providing the manufacturing devices with the decrypted and decompressed portions of the digital **information** for incorporation on the **media**.

Claims Text - CLTX (17):

6. The method of claim 1, wherein the step of **transferring each accessed** portion of the digital **information** to a respective manufacturing device comprises applying each **accessed** portion to the communications network via the

multiplexing means at the first location at a **data** rate required to faithfully
reproduce each respective **accessed** portion on a respective medium in a manner
adapted for **playback**.

Claims Text - CLTX (21):
storing digital **information** at a first location in a source library
comprised of direct **access storage** means for immediate **access** to segments of
the **information** independent of their location in **storage**;

Claims Text - CLTX (34):
9. The method of claim 8, wherein the step of **transmitting** the ATM cells of
each **accessed** identified portion in sequence to a second location occurs at a
data rate required to faithfully **reproduce** a respective identified portion on a
respective medium in a manner adapted for **playback**.

Claims Text - CLTX (37):
means for **storing** original **audio and audio/video** recordings in digital form
in a source library comprised of direct **access storage** means for immediate
access to segments of the recordings independent of their location in **storage**;

Claims Text - CLTX (38):
data **server apparatus for accessing** the recordings in the library in
response to requests; and

Claims Text - CLTX (54):
means for **storing content data** in digital form in a source library comprised
of direct **access storage** means for immediate **access** to segments of the **content**
data independent of their location in **storage**;

Claims Text - CLTX (55):
data **server apparatus for accessing** content data in the library in response
to requests; and

Claims Text - CLTX (78):
15. The method defined in claim 14, wherein the step of **storing multimedia information** in digital form in a source library at a first location **stores**
encrypted and compressed digital **information** and further comprising the step of
decrypting and decompressing the **accessed** portions of the digital **information**
at said other location, and providing the utilization devices with the
decrypted and decompressed portions of the digital **information**.

Claims Text - CLTX (80):
storing multimedia information in digital form at a first location in a
source library comprised of direct **access storage** means for immediate **access** to
segments of the **information** independent of their location in **storage**;

Claims Text - CLTX (94):
means for **storing** original **audio and audio/video** recordings in digital form
in a source library comprised of direct **access storage** means for immediate
access to segments of the recordings independent of their location in **storage**;

Claims Text - CLTX (95):
data **server apparatus for concurrently accessing** the same and different ones
of the recordings in the library in response to requests; and

Claims Text - CLTX (110):
means for **storing multimedia** recordings in digital form in a source library
comprised of direct **access storage** means for immediate **access** to segments of
the recordings independent of their location in **storage**;

Claims Text - CLTX (111):
data **server apparatus for accessing** the recordings in the library in
response to requests; and